

FIG. 1

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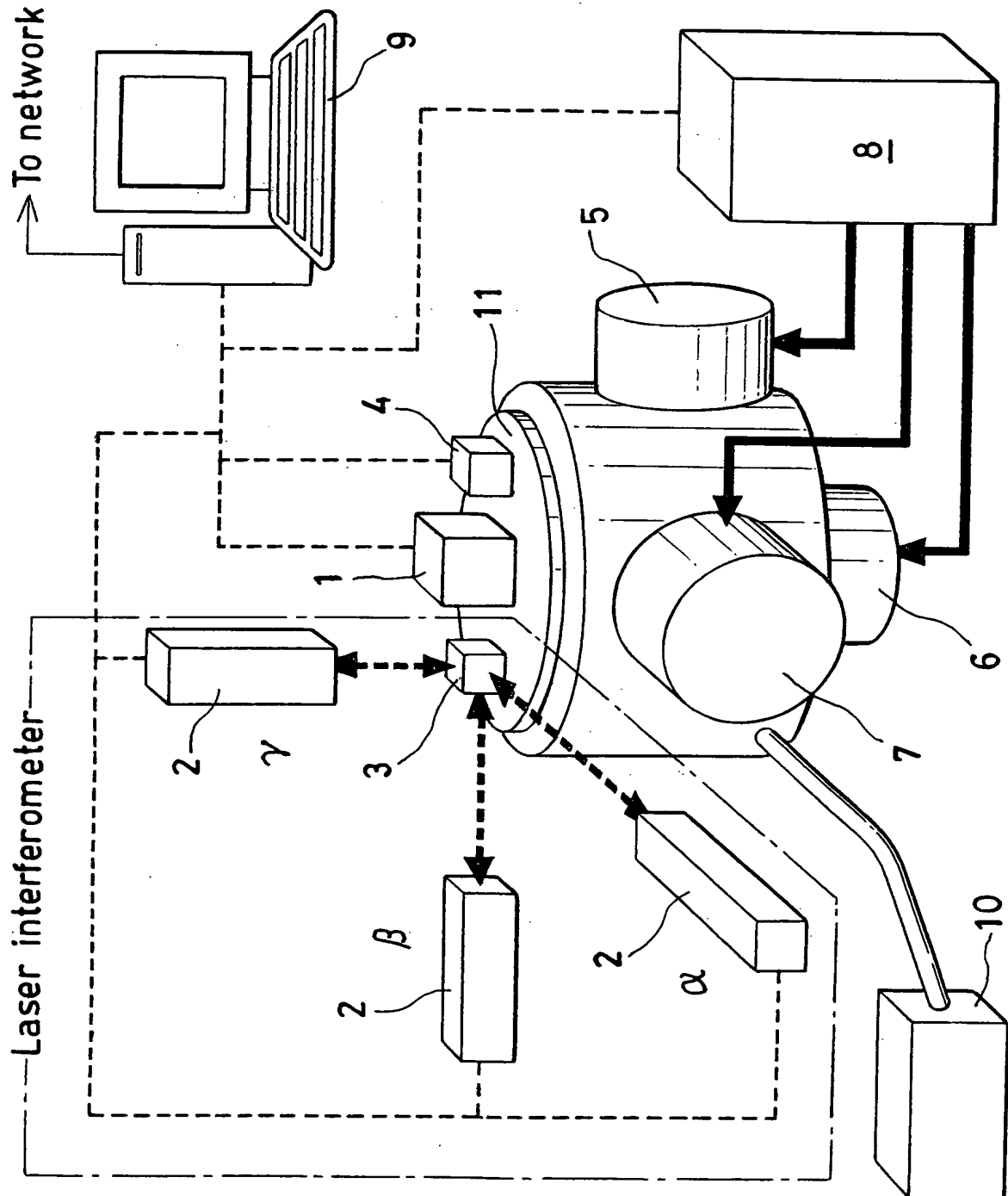


FIG. 2

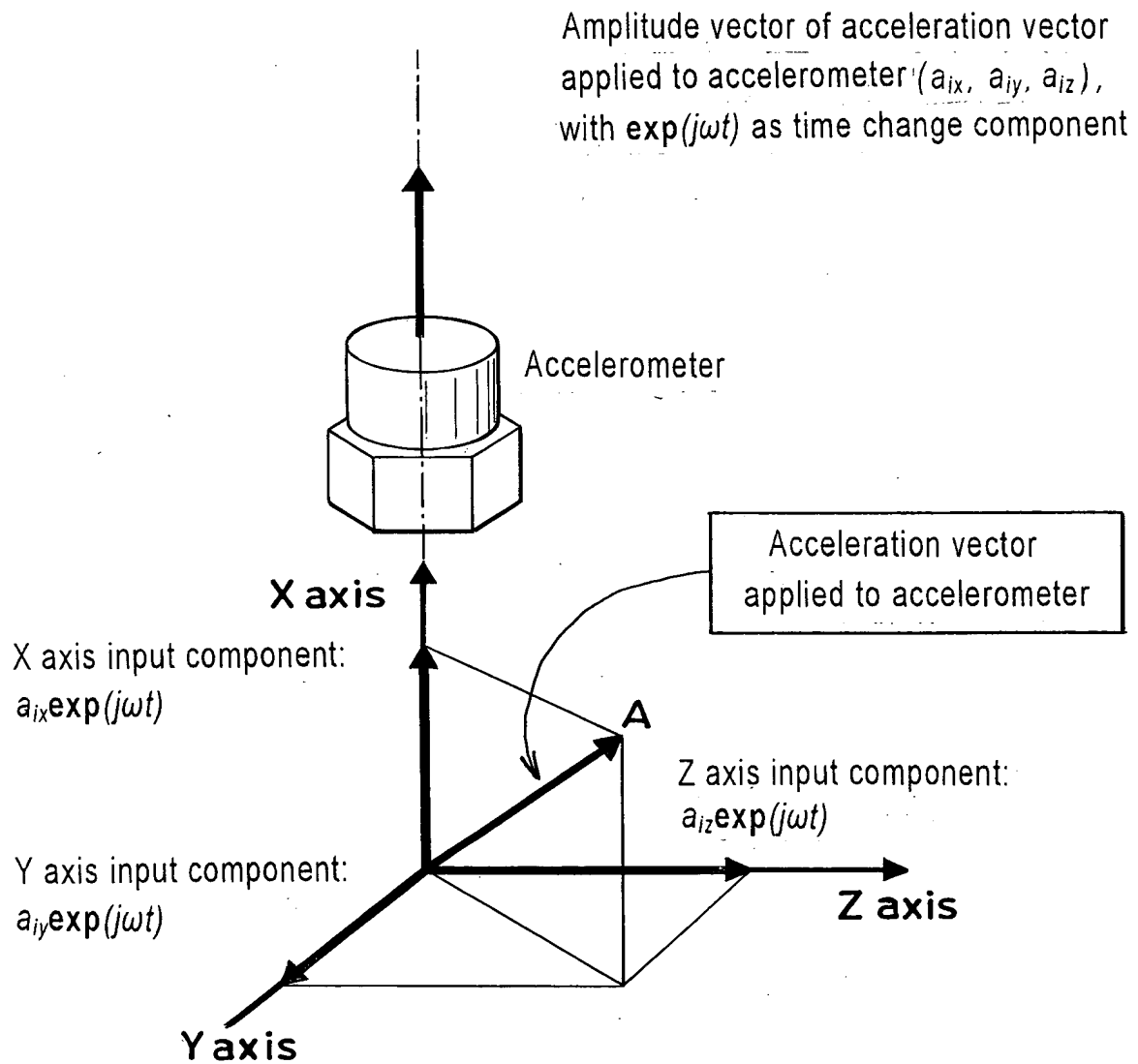
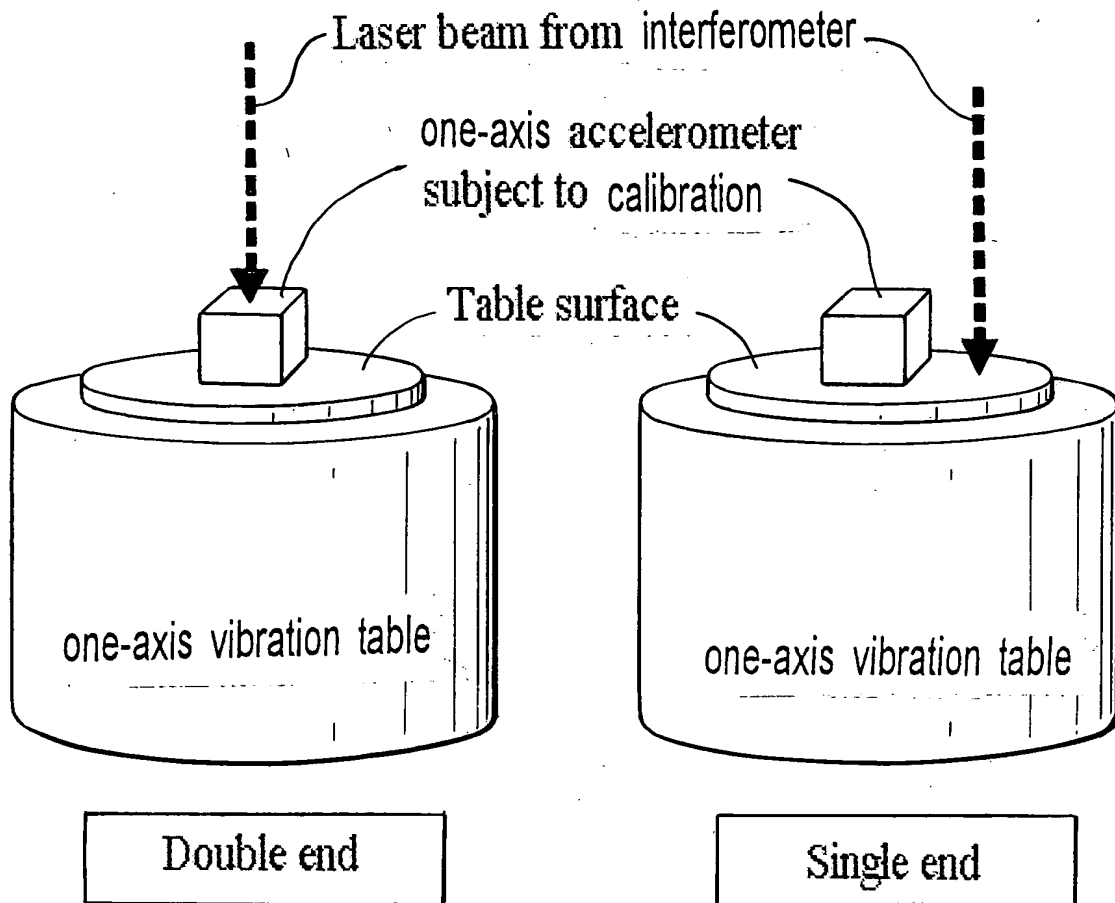
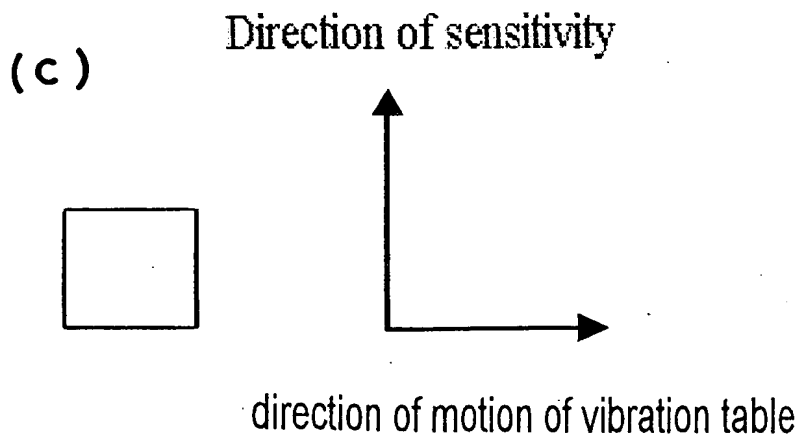
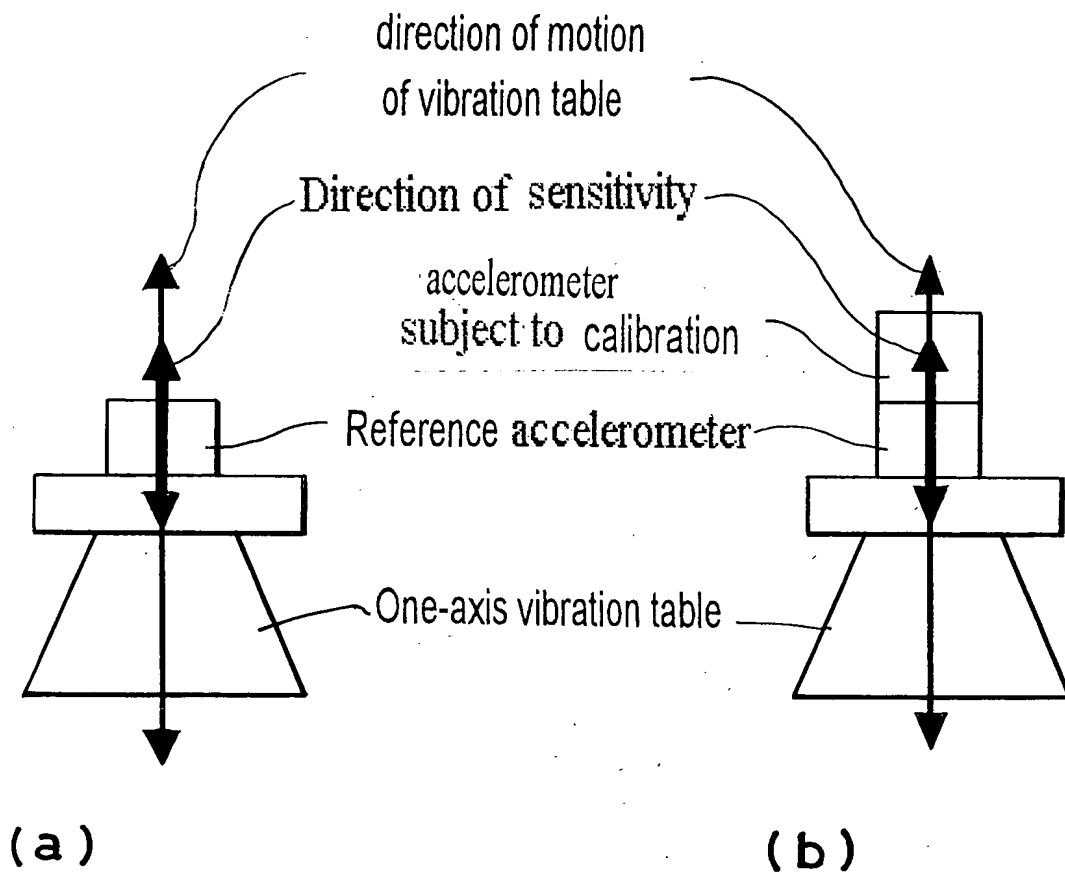


FIG. 3



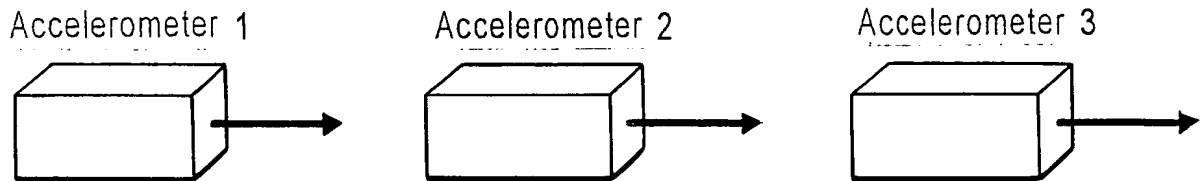
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FIG. 4



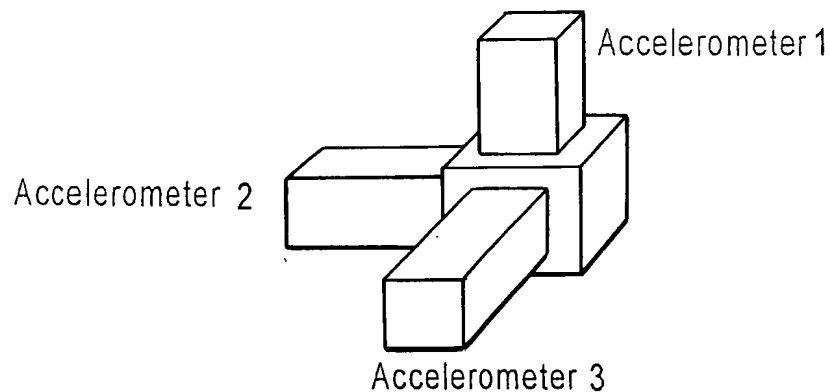
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FIG. 5



Accelerometer	Angle with gravitational acceleration	Matrix sensitivity
Accelerometer 1	Vertical	$(S_{x,x,90.1}, S_{x,y,90.1}, S_{x,z,90.1})$
	Horizontal	$(S_{x,x,0.1}, S_{x,y,0.1}, S_{x,z,0.1})$
Accelerometer 2	Vertical	$(S_{x,x,90.2}, S_{x,y,90.2}, S_{x,z,90.2})$
	Horizontal	$(S_{x,x,0.2}, S_{x,y,0.2}, S_{x,z,0.2})$
Accelerometer 3	Vertical	$(S_{x,x,90.3}, S_{x,y,90.3}, S_{x,z,90.3})$
	Horizontal	$(S_{x,x,0.3}, S_{x,y,0.3}, S_{x,z,0.3})$

This accelerometer when assembled, manifests the following matrix sensitivity.



The matrix sensitivities of the assembled accelerometers shown above are as follows:

$$\begin{pmatrix} S_{x,x,90.1} & S_{x,y,90.1} & S_{x,z,90.1} \\ S_{x,x,0.2} & S_{x,y,0.2} & S_{x,z,0.2} \\ S_{x,x,0.3} & S_{x,y,0.3} & S_{x,z,0.3} \end{pmatrix}$$

FIG. 6

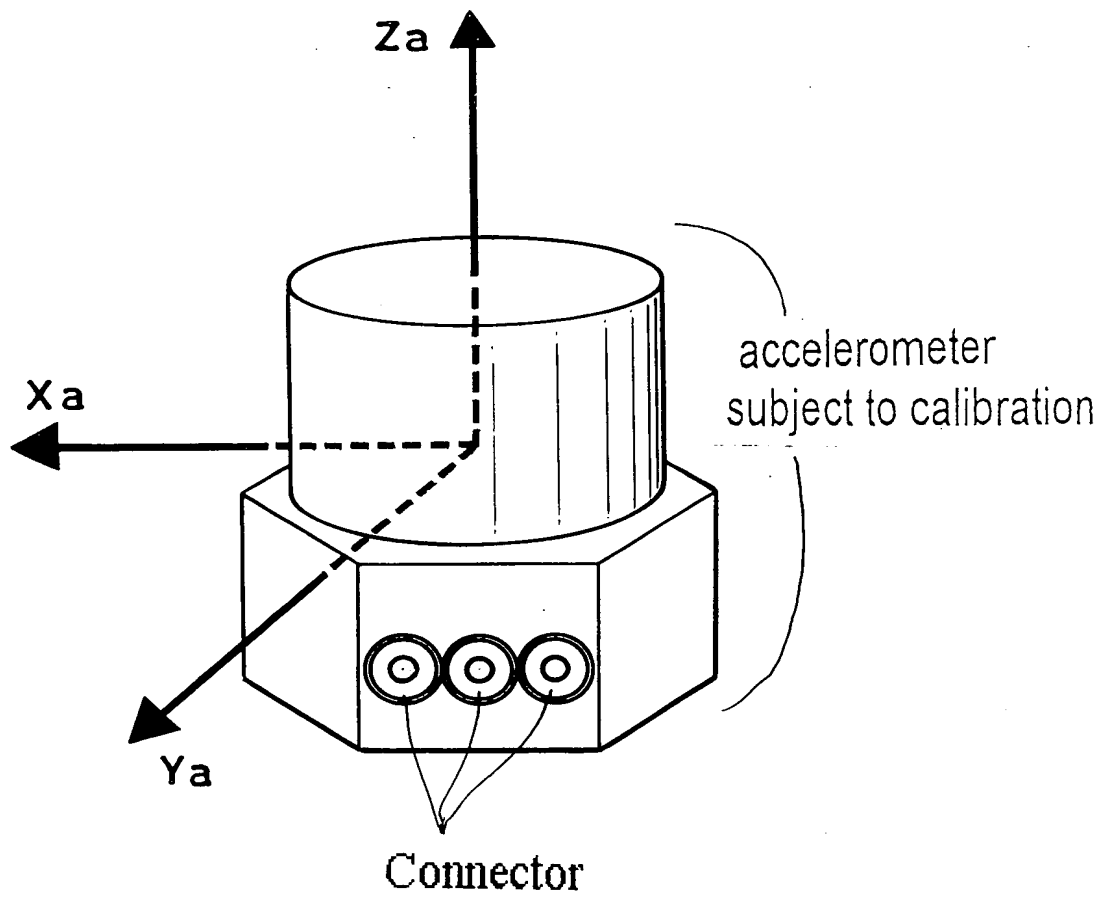


FIG. 7

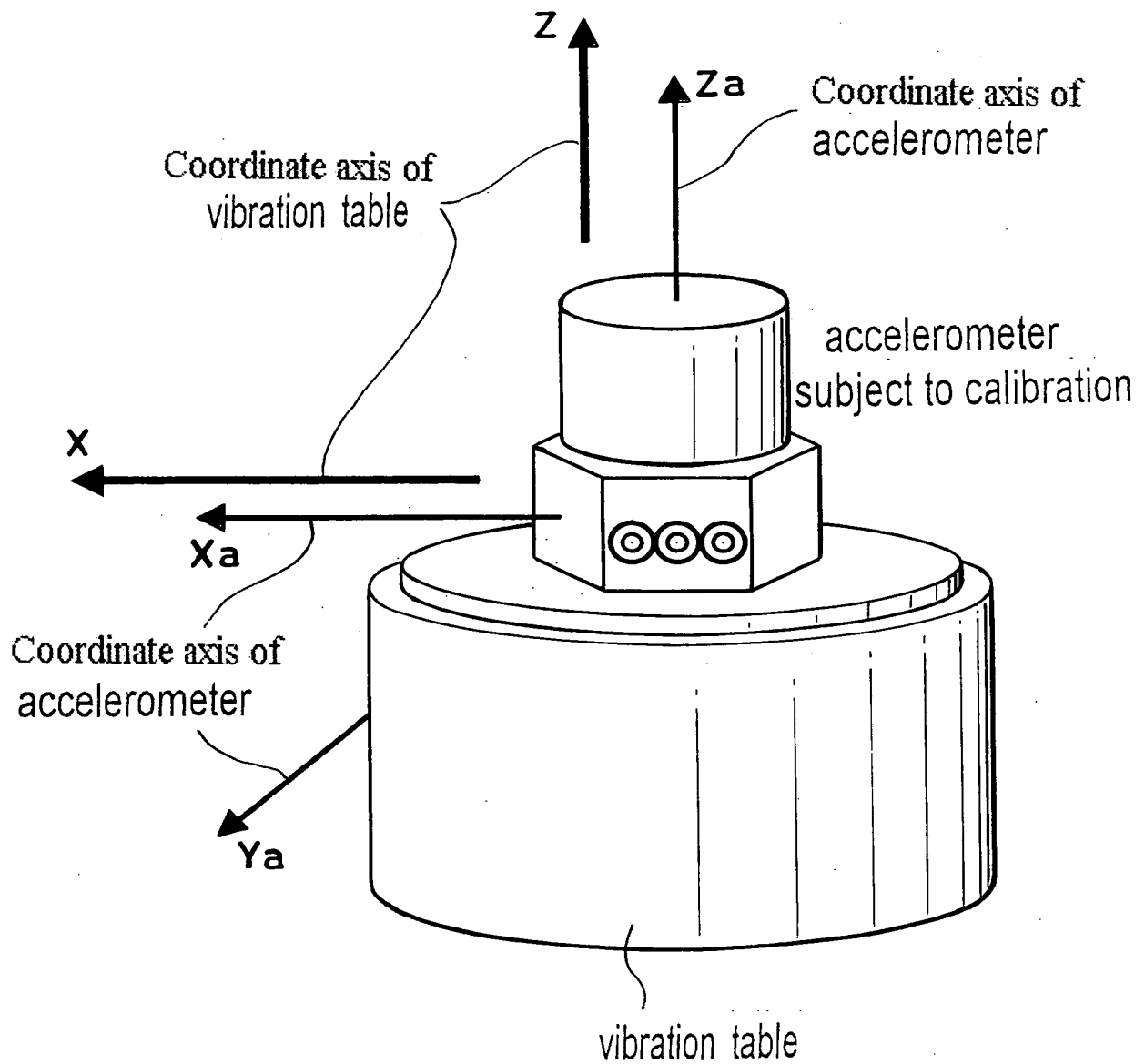


FIG. 8

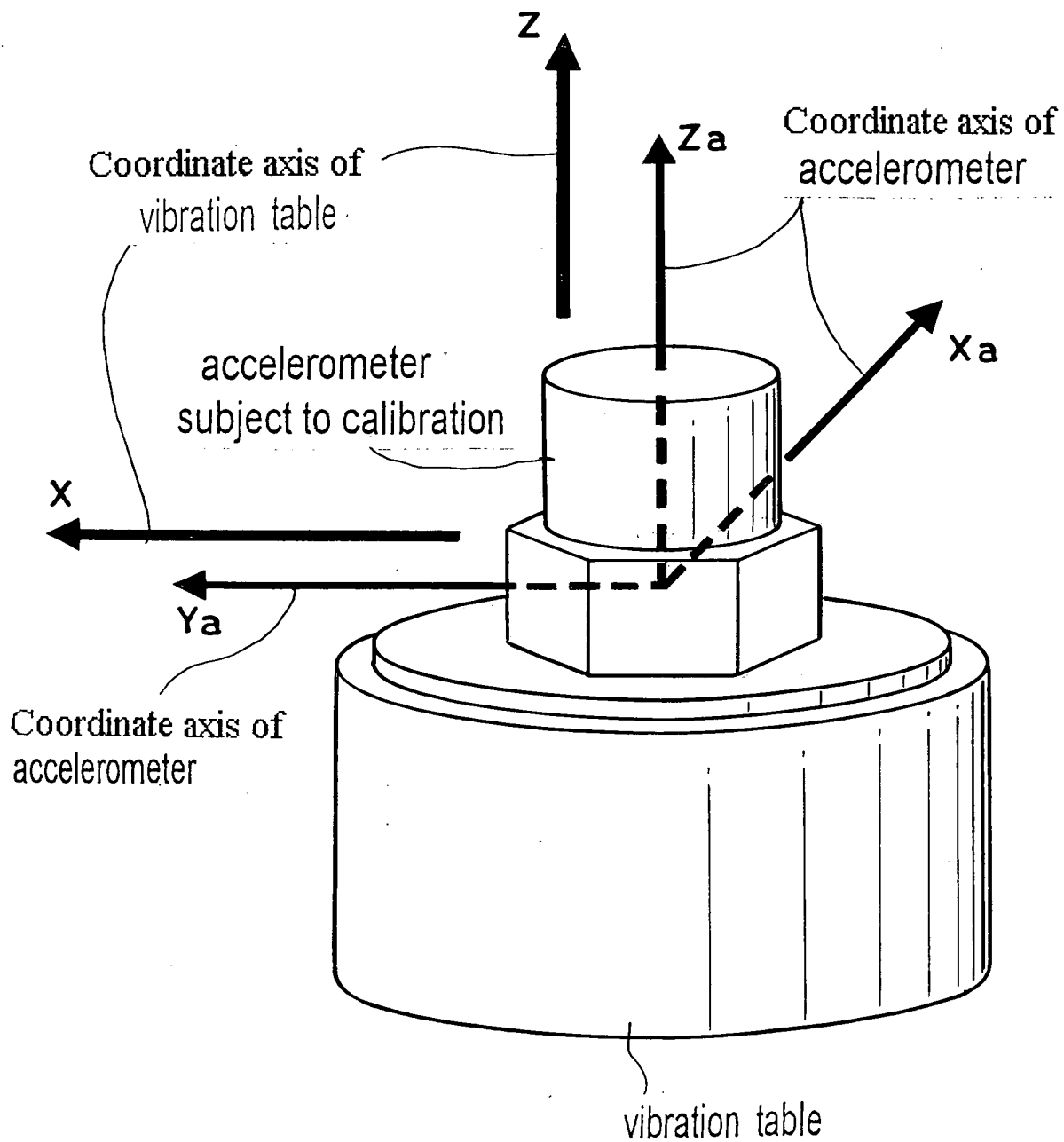
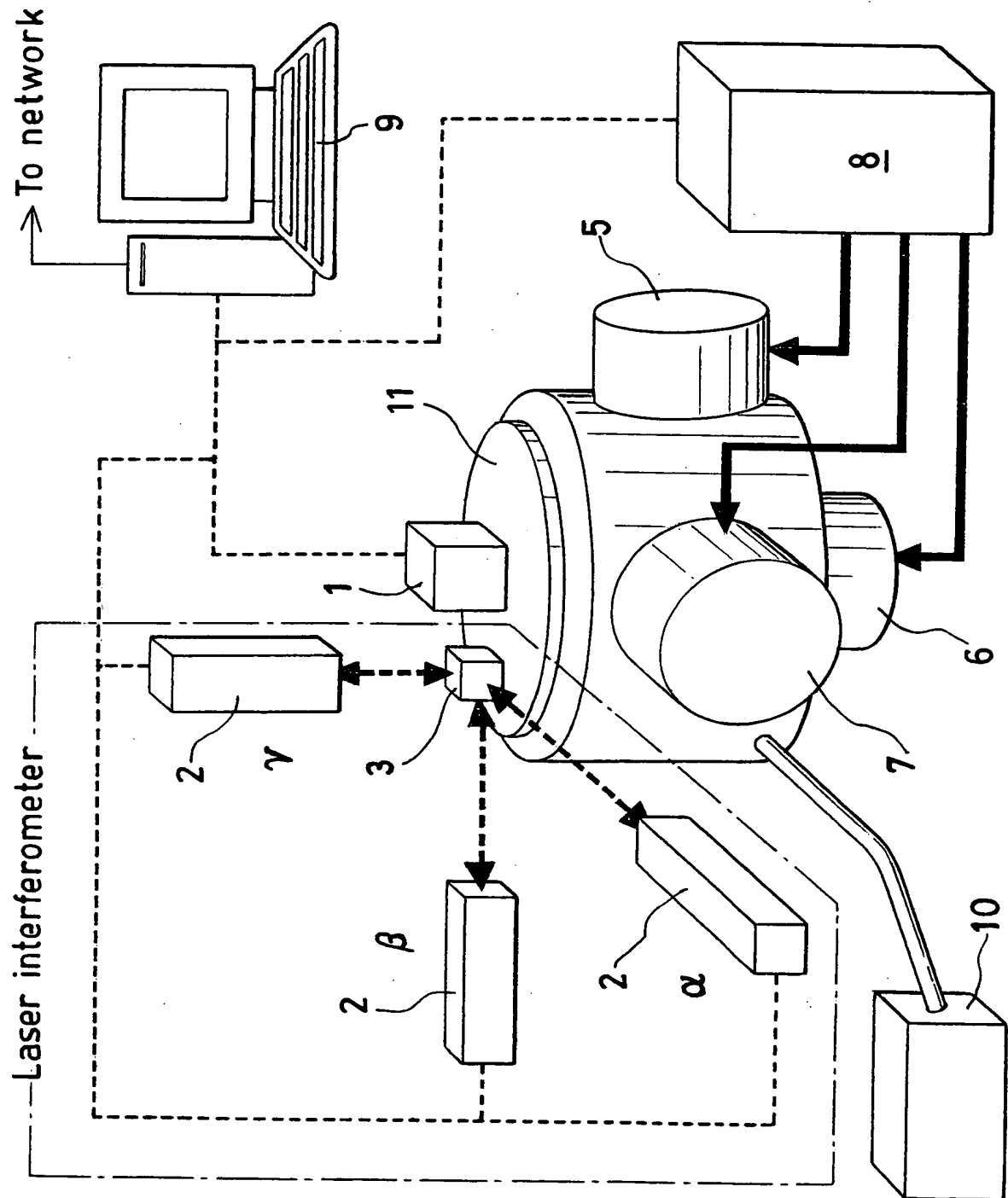


FIG. 9



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